

What is claimed is:

1. A pipe fixing-system for inserting and fixing a pipe thereto, which forms a base part of a pipe structure,
5 comprising:

a body (20) having a stopping part (21) formed on the lower portion of the inside thereof for stopping the pipe (10) inserted into the body (20); an extended portion extended partially upwardly from the stopping part (21) toward an upper
10 end of the body (20) for supporting the pipe (10) and closely contacting the outer peripheral surface of the pipe (10); a tapered part (22) having an inner hollow portion and a diameter gradually narrowed toward the upper end of the body, and an inlet (23) formed in such a manner to be bent at an end of the
15 tapered part (22) in a "J" form for inserting the pipe (10);

fixing chips (24) mounted in the inner hollow portion of the tapered part (22) of the body (20) and formed in such a manner that the upper portion thereof is narrower and the lower portion thereof is wider to correspond to the shape of the
20 tapered part, the fixing chip (24) having at least one bolt hole (26) formed vertically therein; and

bolts (25) perforating the inlet side of the body (20) and inserted into the bolt hole (26) of the fixing chip (24), the fixing chips serving as wedges in such a manner that the fixing

chips (24) are interposed between the tapered part (22) of the body (20) and the pipe (10) when the bolts are tightened.

2. The pipe fixing system according to claim 1, wherein
5 the body (20) includes a fixing plate (27) mounted on the lower portion thereof and extending to the outside in such a manner to be fixed on concrete by means of bolts.

3. A pipe structure connecting system, comprising
10 at least two pipe fixing systems, each pipe fixing system including:

a body (20) having a stopping part (21) formed on the lower portion of the inside thereof for stopping the pipe (10) inserted into the body (20), an extended portion extended
15 partially upwardly from the stopping part (21) toward an upper end of the body (20) for supporting the pipe (10) and closely contacting the outer peripheral surface of the pipe (10), a tapered part (22) having an inner hollow portion and a diameter gradually narrowed toward the upper end of the body, and an
20 inlet (23) formed in such a manner to be bent at an end of the tapered part (22) in a "┐" form for inserting the pipe (10);

fixing chips (24) mounted in the inner hollow portion of the tapered part (22) of the body (20) and formed in such a manner that the upper portion thereof is narrower and the lower

portion thereof is wider to correspond to the shape of the tapered part, the fixing chip (24) having at least one or more bolt holes (26) formed vertically therein; and

bolts (25) perforating the inlet side of the body (20) and
5 inserted into the bolt holes (26) of the fixing chip (24), the fixing chips serving as wedges in such a manner that the fixing chips (24) are interposed between the tapered part (22) of the body (20) and the pipe (10) when the bolts are tightened,

wherein the at least two pipe fixing systems are connected
10 to each other and integrated with each other and the inlets (23) of the pipe fixing systems are arranged in different directions.

4. A pipe joint for connecting pipes, comprising

at least two pipe fixing systems, each pipe fixing system
15 including:

a body (20) having a stopping part (21) formed on the lower portion of the inside thereof for stopping the pipe (10) inserted into the body (20), an extended portion extended partially upwardly from the stopping part (21) toward an upper
20 end of the body (20) for supporting the pipe (10) and closely contacting the outer peripheral surface of the pipe (10), a tapered part (22) having an inner hollow portion and a diameter gradually narrowed toward the upper end of the body, and an inlet (23) formed in such a manner to be bent at an end of the
25 tapered part (22) in a "7" form for inserting the pipe (10);

fixing chips (24) mounted in the inner hollow portion of the tapered part (22) of the body (20) and formed in such a manner that the upper portion thereof is narrower and the lower portion thereof is wider to correspond to the shape of the tapered part, the fixing chip (24) having at least one bolt hole (26) formed vertically therein; and

bolts (25) perforating the inlet side of the body (20) and inserted into the bolt hole (26) of the fixing chip (24), the fixing chips (24) serving as wedges in such a manner that the fixing chips (24) are interposed between the tapered part (22) of the body (20) and the pipe (10) when the bolts are tightened; and

wherein the at least two pipe fixing systems are connected to each other and integrated with each other and the inlets (23) of the pipe fixing systems are arranged in different directions, and rubber packings (28) are embedded below the tapered parts (22) of the two pipe fixing systems for maintaining sealability.

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